

Claims

1. A data exchange system:
with a mobile component (1), and
5 with a control device (2, 4), which is designed in such
a way that it receives control commands from the mobile
component (1) to control at least one consumer (5),
converts said control commands into corresponding
control signals and transmits said control signals via
10 a data transmission path (9) to the consumer (5) which
is to be controlled,
characterized in that
the mobile component (1) has an Internet interface to
transmit control commands to the control device (2, 4),
15 the control device (2, 4) is designed in such a way
that it can evaluate control commands transmitted by
the mobile component (1) via the Internet interface and
can convert said control commands into a corresponding
control of the consumers (5) connected to the data
20 transmission path (9), and
in that the mobile component (1) has identification
means (10) to identify the user of the mobile component
(1), and the mobile component (1) and/or the control
device (2, 4) are designed in such a way that the
25 identification information supplied by the
identification means (10) is evaluated in order to
release access to the consumers (5) connected to the
data transmission path (9) and/or individual functions
of said consumers.
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2. The data exchange system as claimed in claim 1,
characterized in that
the mobile component (1) is a mobile telephone.
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3. The data exchange system as claimed in claim 1 or 2,
characterized in that

the control device comprises an interface device (2) as
a communications interface between the mobile component
(1) and a communications network (3).

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4. The data exchange system as claimed in claim 3,
characterized in that
the control device (2, 4) is controlled by the mobile
component (1) in a different frequency range than that
10 used for the transmission of communications information
between the mobile component (1) and the interface
device (2).

5. The data exchange system as claimed in one of the
15 preceding claims,
characterized in that
the control device (2, 4), the data transmission path
(9) and the consumers (5) which are to be controlled
are accommodated in one housing unit.

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6. The data exchange system as claimed in one of claims
1-5,
characterized in that
the data transmission path (9) is designed in the form
25 of a bus line, via which a plurality of consumers (5)
can be controlled with the aid of the mobile component
(1) and the control device (2, 4).

7. The data exchange system as claimed in one of the
30 preceding claims,
characterized in that
the control device (2, 4) is designed in such a way
that a status query relating to the consumers (5)
connected to the data transmission path (9) can be made
35 via the control device (2, 4) with the aid of the
mobile component (1).

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8. The data exchange system as claimed in one of the preceding claims,
characterized in that

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the consumers (5) connected to the data transmission
path (9) can be controlled via a hierarchical menu
structure which can be presented on a display unit (8)
5 of the mobile component (1) when the control device (2,
4) is controlled by the mobile component (1).

9. The data exchange system as claimed in one of the
preceding claims,
10 characterized in that
the mobile component (1) and the control device (2, 4)
are designed in such a way that the control commands
are transmitted via the Internet interface of the
mobile component in accordance with the WAP protocol.

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